

FORM PTO-1449 (Modified)			ATTY. DOCKET NO. TH1647 07	APPLICATION NUMBER 10/817,640		
O I P E SEP 01 2006 LIST OF INFORMATION PROVIDED BY APPLICANT (Use several sheets if necessary)			APPLICANT C. L. Edwards et al.			
			FILING DATE April 2, 2004	GROUP ART UNIT 1621		
REFERENCE DESIGNATION		U.S. PATENT DOCUMENTS				
Examiner Initial	Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
AA						
AB						
AC						
AD						
AE						
AF						
AG						
AH						
AI						
FOREIGN PATENT DOCUMENTS						
	Document No.	Date	Country	Class	Subclass	Translation Yes No
SK	AL WO9932563	7/2/99	World	C09D	—	
SK	AM JP56115745	9/11/81	Japan (English Abstract)	—	—	X
	AN					
	AO					
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)						
	AR					
	AS					
	AT					
EXAMINER	S. Kumar		DATE CONSIDERED		9/28/06	

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

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OCT 10 2004
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ATTY. DOCKET NO. TH1647 07 (US) APPLICATION NUMBER 10817,640

APPLICANT
C. L. Edwards et al.

FILING DATE 4/2/04 GROUP ART UNIT 1621

REFERENCE DESIGNATION: U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date If Appropriate
SL	AA	3,676,523	7/11/72	Mason	260	683.15D	
	AB	3,686,351	8/22/72	Mason	260	683.15D	
	AC	3,737,475	6/5/73	Mason	260	683.15D	
	AD	3,825,615	7/23/74	Lutz	260	683.15D	
	AE	4,020,121	4/26/77	Kister et al.	260	683.15D	
	AF	4,021,447	5/3/77	Rubin et al.	260	326.8	
	AG	3,702,886	11/14/72	Argauer et al.	423	328	
	AH	3,709,979	1/9/73	Chu	423	328	
↓	AI	3,832,449	8/27/74	Rubin et al.			

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation Yes No
SL	AL	WO 94/05761	3/17/94	World	C11D	3/10	
	AM	1,429,143	3/24/76	Great Britain	C11D	10/02	
	AN	WO 99/42553	8/26/99	World	C11D	3/43	
↓	AO	0,884,298 A2	12/16/98	Europe	C07C	43/10	X

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

SL	AR	Myers, Drew, "Surfactant Science and Technology," pp. 82-85, VCH Publishers, Inc. (New York, NY, USA) 1988 (ISBN 0-89573-399-0)
	AS	K. Shinoda, "Principles of Solution and Solubility," translation in collaboration with Paul Becher, published by Mercel Dekker, Inc. 1978, pp. 292-304
↓	AT	Reid, V.W., G.F. Longman and E. Heinerth, "Determination of Anionic-Active Detergents by Two-Phase Titration," <u>Tensile</u> 4, 1967, pp. 292-304

EXAMINER

S. Skinner

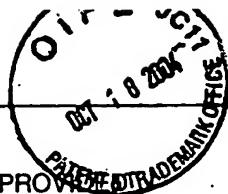
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APPLICATION NUMBER

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APPLICANT
C. L. Edwards et al.

FILING DATE 4/2/04

GROUP ART UNIT

1621

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Patentee	Class	Subclass	Filing Date If Appropriate
SLC	BA	4,482,531	11/13/84	Kuehl	423	329	
	BB	3,950,496	4/13/76	Ciric	423	328	
	BC	3,972,983	8/3/76	Ciric	423	328	
	BD	4,046,859	9/6/77	Plank et al.	423	328	
	BE	4,247,416	1/27/81	Doherty et al.	252	428	
	BF	4,086,186	4/25/78	Rubin et al.	252	430	
	BG	4,046,859	9/6/77	Plank et al.	423	328	
	BH	4,287,166	9/1/81	Dwyer et al.	423	325	
↓	BI	4,247,728	1/27/81	Rubin et al.	585	467	

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes No
SLC	BL	06073045	3/15/94	Japan	C07D	273/08	X
	BM	03261779	11/21/91	Japan	C07D	309/24	X
	BN	JP 11-349507	12/21/99	Japan	C07C	43/11	X
↓	BO	100 20 899 A1	10/25/01	Germany	C07D	493/04	X

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

SLC	BR	B. E. Gordon, H. Roddewig and W. T. Shebs, "A Double Label Radiotracer Approach to Detergency Studies," Journal of American Oil Chemists' Society, Vol. 44, No. 5 (1967) pp. 289-294
	BS	W. T. Shebs and B. E. Gorden, "Improvements in Detergency Precision With Radioactive Soil," Journal of American Oil Chemists' Society, Vol. 45, No. 5 (1968) pp. 377-380
↓	BT	W. T. Shebs, "Radioisotope Techniques in Detergency," Chapter 3, <u>Detergency Theory and Technology</u> , Marcel Dekker, Inc., New York (1987) pp. 125-191

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LIST OF INFORMATION PROVIDED BY APPLICANT (Use several sheets if necessary)			APPLICANT C. L. Edwards et al.				
			FILING DATE 4/21/04	GROUP ART UNIT 162			
REFERENCE DESIGNATION							
Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date If Appropriate
SL	CA	4,495,303	1/22/85	Kuehl	502	62	
	CB	4,397,827	8/9/83	Chu	423	326	
	CC	4,640,829	2/3/87	Rubin	423	328	
	CD	4,568,654	2/4/86	Valyocsik	502	62	
	CE	4,698,217	10/6/87	Valyocsik	423	328C	
	CF	4,647,442	3/3/87	Derouane et al.	423	306	
	CG	4,619,818	10/28/86	Derogane et al.	423	306	
	CH	4,954,325	9/4/90	Rubin et al.	423	328	
	CI	5,236,575	8/17/93	Bennett et al.	208	46	
FOREIGN PATENT DOCUMENTS							
		Document No.	Date	Country	Class	Subclass	Translation Yes No
	CL						
	CM						
	CN						
	CO						
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)							
SL	CR	Roger Hunter et al., "Allylation Using Allylborates," TETRAHEDRON, Vol. 50, No. 3, 1994, pp. 871-888					
	CS	Birgit Bartels et al., "A Selectivity of Activated Ketal Reduction With Borane Dimethyl Sulfide," JOURNAL OF ORGANIC CHEMISTRY, Vol. 58, No. 24, 1993, pp. 6756-6765					
	CT	T. Hosokawa et al., "Palladium (II)-Catalyzed Acetalization of Terminal Olefins Bearing Electron-Withdrawing Substituents With Optically Active Diols," JOURNAL OF ORGANIC CHEMISTRY, Vol. 52, 1987, pp. 1958-1764					
EXAMINER			DATE CONSIDERED		9/28/06		
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C. L. Edwards et al.

FILING DATE

4/2/04

GROUP ART UNIT

162

REFERENCE DESIGNATION

EXAMINER		U.S. PATENT DOCUMENTS					
Initial	Document Number	Date	Patentee	Class	Subclass	Filing Date If Appropriate	
SLC	DA 3,308,069	3/7/67	Wadlinger et al.	252	455		
	DB Re. 28,341	2/18/75	Wadlinger, et al.	208	120		
	DC 3,058,805	10/16/62	Weber	23	113		
	DD 3,130,007	4/21/64	Breck	23	113		
	DE 3,996,337	12/7/76	Stabenow et al.	423	328		
	DF 4,440,871	4/3/84	Lok et al.	502	214		
	DG 5,059,567	10/22/91	Linsten et al.	502	64		
	DH 3,462,525	8/19/69	Levinsky	424	56		
↓	DI 3,428,654	2/18/69	Rubinfeld et al.	260	327		

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes	No
	DL							
	DM							
	DN							
	DO							

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

SLC	DR	F. Wang et al., Synlett, (1998) pp. 245-245
	DS	A. A. Volkov et al., Dokl. Chem. 283, (1985), pp. 246-248
↓	DT	International Search Report of 5 July 2002

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APPLICANT
C. L. Edwards et al.

FILING DATE

11/21/04

GROUP ART UNIT

1621

REFERENCE DESIGNATION

Examiner Initial	Document Number	Date	Patentee	Class	Subclass	Filing Date If Appropriate
SL	EA 3,420,875	1/7/69	Di Salvo et al.	260	513	
	EB 3,506,580	4/14/70	Rubinfeld et al.	252	138	
	EC 3,579,537	5/18/71	Rubinfeld et al.	260	327	
	ED 3,524,864	8/18/70	Rubinfeld et al.	260	327	
	EE 5,057,627	10/15/91	Edwards	568	618	
	EF 6,087,311	7/11/00	Van Dijk	510	294	
	EG 6,083,893	7/4/00	Zint et al.	510	221	
	EH 6,159,920	12/12/00	Ridyard	510	324	
↓	EI 6,153,574	11/28/00	Janssen	510	224	

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation Yes No
EL						
EM						
EN						
EO						

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

SL	ER	Anionic Surfactants, Volume 7, Part I, edited by Warner M. Linfield, 1976 by Marcel Dekker, Inc.
	ES	
	ET	

EXAMINER

S. Kumar

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11/28/06

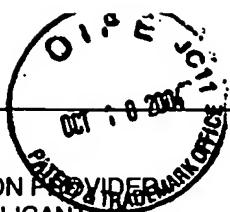
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4/2/04

GROUP ART UNIT

162

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date If Appropriate
S	FA	2,778,855	1/22/57	Shokal et al.	260	613	
	FB	4,503,275	3/5/85	Harris et al.	568	866	
	FC	4,317,938	3/2/82	Lutz	568	619	
	FD	4,721,816	1/26/88	Edwards	568	618	
	FE	4,721,817	1/26/88	Edwards	518	618	
	FF	2,808,442	10/1/57	Smith et al.	260	611	
	FG	5,912,408	6/15/99	Trinh et al.	8	142	
	FH	4,544,512	10/1985	Hozumi et al.	558	169	
	FI	Ser. No. 10/025,080	12/19/01	Edwards et al.			

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation Yes	Translation No
	FL							
	FM							
	FN							
	FO							

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	FR	
	FS	
	FT	

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